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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

32605

OR



Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

32605

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		


Assignee Name and Address:

Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do 442-742 Korea

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/86 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	January 11, 2006
Name	SEUNG-HO AHN	Telephone	82-31-209-7491
Title	VP of IP & External Affairs		

This collection of information is required by 37 CFR 1.51, 1.52 and 1.53. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: LEE, Seung-Woo; YU, Yun-Ju; PARK, Doo-Sik; CHOH, Heui Keun; KIM, Chang-Yeong; and PARK, Yong-Koo

Application No./Patent No.: 10/534,623 Filed/Issue Date: November 12, 2003

Entitled: Liquid Crystal Display and Driving Method Thereof

Samsung Electronics Co., LTD., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 020631, Frame 0466, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

Kieun "Jenny" Sung

Printed or Typed Name

Reg. No. 48,639

Title

March 11, 2008

Date

408-392-9250

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

500484098

MARCH 11, 2008

PTAS

MACPHERSON KWOK CHEN & HEID LLP
2033 GATEWAY PLACE
SUITE 400
SAN JOSE, CA 95110UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
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REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
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MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/11/2008

REEL/FRAME: 020631/0466

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: AB-1576 US

ASSIGNOR:

LEE, SEUNG-WOO

DOC DATE: 03/10/2008

ASSIGNOR:

YU, YUN-JU

DOC DATE: 03/10/2008

ASSIGNOR:

PARK, DOO-SIK

DOC DATE: 03/10/2008

ASSIGNOR:

CHOH, HEUI-KEUN

DOC DATE: 03/10/2008

ASSIGNOR:

KIM, CHANG-YEONG

DOC DATE: 03/10/2008

ASSIGNOR:

PARK, YONG-KOO

DOC DATE: 03/10/2008

'O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

020631/0466 PAGE 2

ASSIGNEE:

SAMSUNG ELECTRONICS CO., LTD
416, MAETAN-DONG, YEONGTONG-GU,
SUWON-SI
GYEONGGI-DO, DEM REP OF KOREA

SERIAL NUMBER: 10534623

FILING DATE: 12/27/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: LIQUID CRYSTAL DISPLAY AND DRIVING METHOD THEREOF

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.103/11/2008
500484098

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Seung-Woo LEE</td><td>03/10/2008</td></tr><tr><td>Yun-Ju YU</td><td>03/10/2008</td></tr><tr><td>Doo-Sik PARK</td><td>03/10/2008</td></tr><tr><td>Heui-Keun CHOH</td><td>03/10/2008</td></tr><tr><td>Chang-Yeong KIM</td><td>03/10/2008</td></tr><tr><td>Yong-Koo PARK</td><td>03/10/2008</td></tr></tbody></table>	Name	Execution Date	Seung-Woo LEE	03/10/2008	Yun-Ju YU	03/10/2008	Doo-Sik PARK	03/10/2008	Heui-Keun CHOH	03/10/2008	Chang-Yeong KIM	03/10/2008	Yong-Koo PARK	03/10/2008	
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Chang-Yeong KIM	03/10/2008														
Yong-Koo PARK	03/10/2008														
RECEIVING PARTY DATA															
Name:	Samsung Electronics Co., LTD														
Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si														
City:	Gyeonggi-do														
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10534623</td></tr></tbody></table>	Property Type	Number	Application Number:	10534623											
Property Type	Number														
Application Number:	10534623														
CORRESPONDENCE DATA															
Fax Number:	(408)392-9262														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	408-392-9250														
Email:	sbadon@macpherson-kwok.com														
Correspondent Name:	MacPherson Kwok Chen & Heid LLP														
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Address Line 2:	Suite 400														
Address Line 4:	San Jose, CALIFORNIA 95110														
ATTORNEY DOCKET NUMBER:	AB-1576 US														
NAME OF SUBMITTER:	David W. Heid														

CH 10534623 \$40.00

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

Total Attachments: 3

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

LEE, Seung-Woo	of	Doksan Hyundai Apt. 102-1008, 293-10, Doksan1-dong, Keumcheon-ku, Seoul 153-844, Korea
YU, Yun-Ju	of	Cheonnok Villa 1-139, 973-2, Siheung 3-dong, Keumcheon-ku, Seoul 153-033, Korea
PARK, Doo-Sik	of	Hwanggolmaeul Jookong Apt. 135-1401, 955-1, Youngtong-dong, Paldal-ku, Suwon-city, Kyungki-do 442-740, Korea
CHOH, Heui-Keun	of	Banpo Jookong Apt. 359-407, Banpo 1-dong, Seocho-ku, Seoul 137-763, Korea
KIM, Chang-Yeong	of	Jinsanmaeul Samsung 5-cha Apt. 502-1305, 1161, Bojeong-ri, Guseong-myeon, Yongin-city, Kyungki-do 449-910, Korea
PARK, Yong-Koo	of	Sinnamusil Jookong 5-danji Apt. 517-402, Youngtong-dong, Paldal-ku, Suwon-city, Kyungki-do 442-727, Korea

hereby sell, assign and transfer to SAMSUNG ELECTRONICS CO., LTD., a corporation, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

LIQUID CRYSTAL DISPLAY AND DRIVING METHOD THEREOF

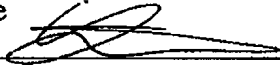
for which we filed a United States Patent Application on May 11, 2005, which now has Serial No. 10/534,623, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 10th day of March, 2008.

Seung-Woo Lee
LEE, Seung-Woo

WITNESSED:

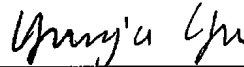
Signature



Date: March 10, 2008

KIM Yu-Mi

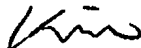
Executed this 10th day of March, 2008.



YU, Yun-Ju

WITNESSED:


Signature



Date: March 10, 2008

KIM Youn-Kyoung

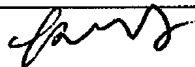
Executed this 10th day of March, 2008.



PARK, Doo-Sik

WITNESSED:

Signature



Date: March 10, 2008

PARK Mi-Young

Executed this 10th day of March, 2008.



CHOH, Heui-Keun

WITNESSED:

Signature 

Date: March 10, 2008

KIM Yu-Mi

Executed this 10th day of March, 2008.



KIM, Chang-Yeong


WITNESSED:

Signature 

Date: March 10, 2008

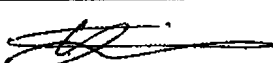
PARK Mi-Young

Executed this 10th day of March, 2008.



PARK, Yong-Koo

WITNESSED:

Signature 

Date: March 10, 2008

KIM Yu-Mi